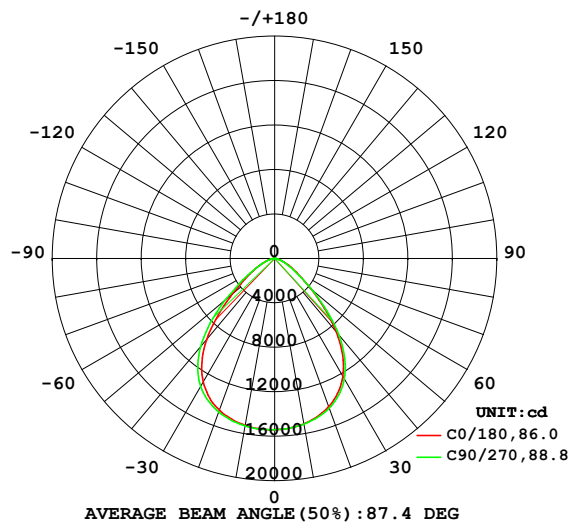


LUMINAIRE PHOTOMETRIC TEST REPORT

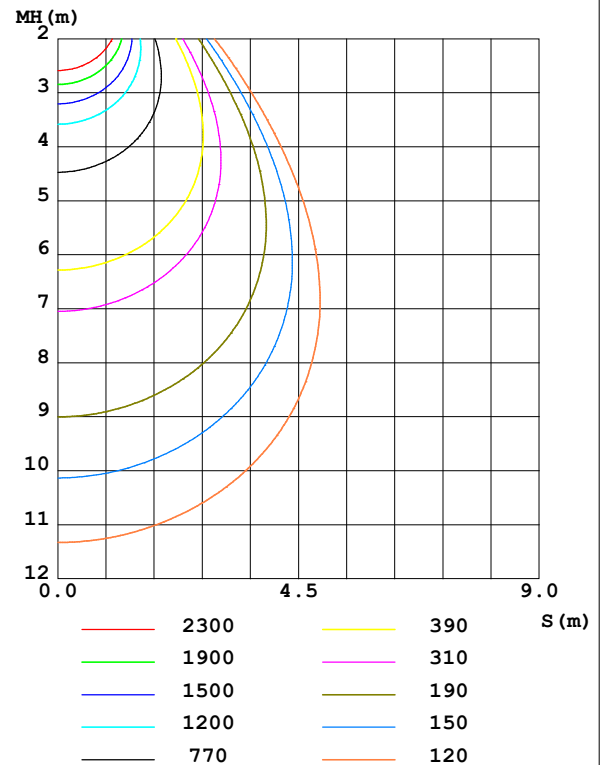
Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 6500K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 145.59 lm/W
MODEL	兆驰2835	I _{max} (cd)	15414	S/MH (C0/180)	1.23	
NOMINAL POWER(W)	200	LOR (%)	100.0	S/MH (C90/270)	1.27	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	29327	η UP,DN (C0-180)	0.0,47.6	
NOMINAL FLUX(lm)	29327.3	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,52.4	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	230	η down (%)	100.0	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1511	1516	1514	1508	1526	1530	1531	1524	0- 10	1461	1461	4.98, 4.98
20	1420	1446	1434	1406	1454	1476	1471	1444	10- 20	4204	5665	19.3, 19.3
30	1226	1285	1254	1186	1285	1343	1330	1274	20- 30	6312	11977	40.8, 40.8
40	864.8	947.3	902.4	812.7	952.3	1031	1037	957.5	30- 40	7002	18979	64.7, 64.7
50	428.5	441.0	437.8	439.9	492.1	511.1	573.0	549.2	40- 50	5441	24420	83.3, 83.3
60	191.7	180.6	179.7	210.1	225.3	209.0	236.5	254.9	50- 60	2931	27351	93.3, 93.3
70	74.69	68.07	68.52	79.07	95.54	84.27	91.45	106.6	60- 70	1377	28729	98, 98
80	18.02	16.99	16.98	16.94	28.52	24.26	28.97	32.73	70- 80	526.2	29255	99.8, 99.8
90	0.3878	0.3793	0.4148	0.4309	0.3210	0.3126	0.3134	0.3709	80- 90	72.65	29327	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:X10cd									UNIT: lm		

Conical surface Flux(90deg): 22028 lm

%lum = 75.1%

%lamp = 75.1%

Conical surface Flux(120deg): 27351 lm

%lum = 93.3%

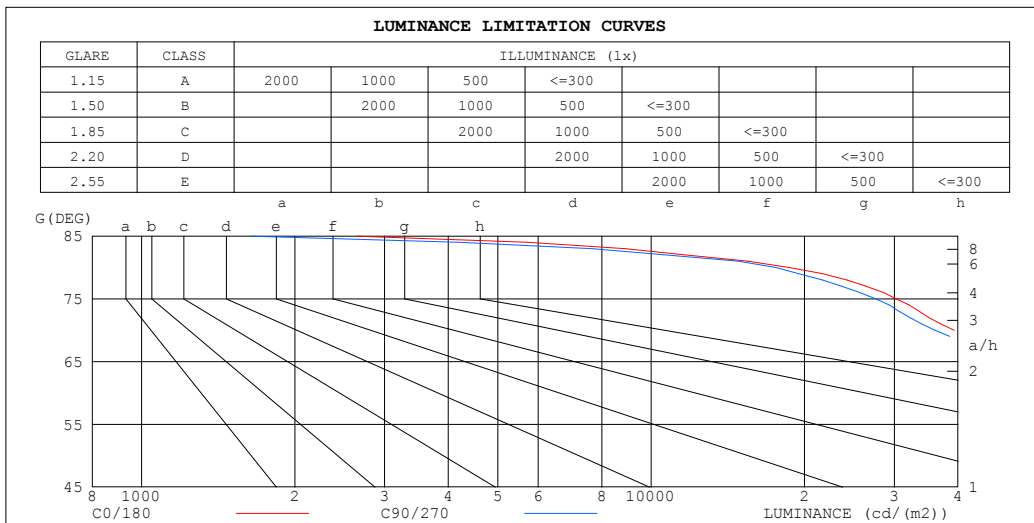
%lamp = 93.3%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature: 25.1℃
 Operators:
 Test Date: 2026-8-25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
 Humidity: 50.0%
 Test Distance: 10.026m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 6500K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2646	1643
80	18687	17607
75	30280	27600
70	39315	36068
65	53411	47993
60	69023	64694
55	88960	85593
50	120033	122618
45	161413	168150

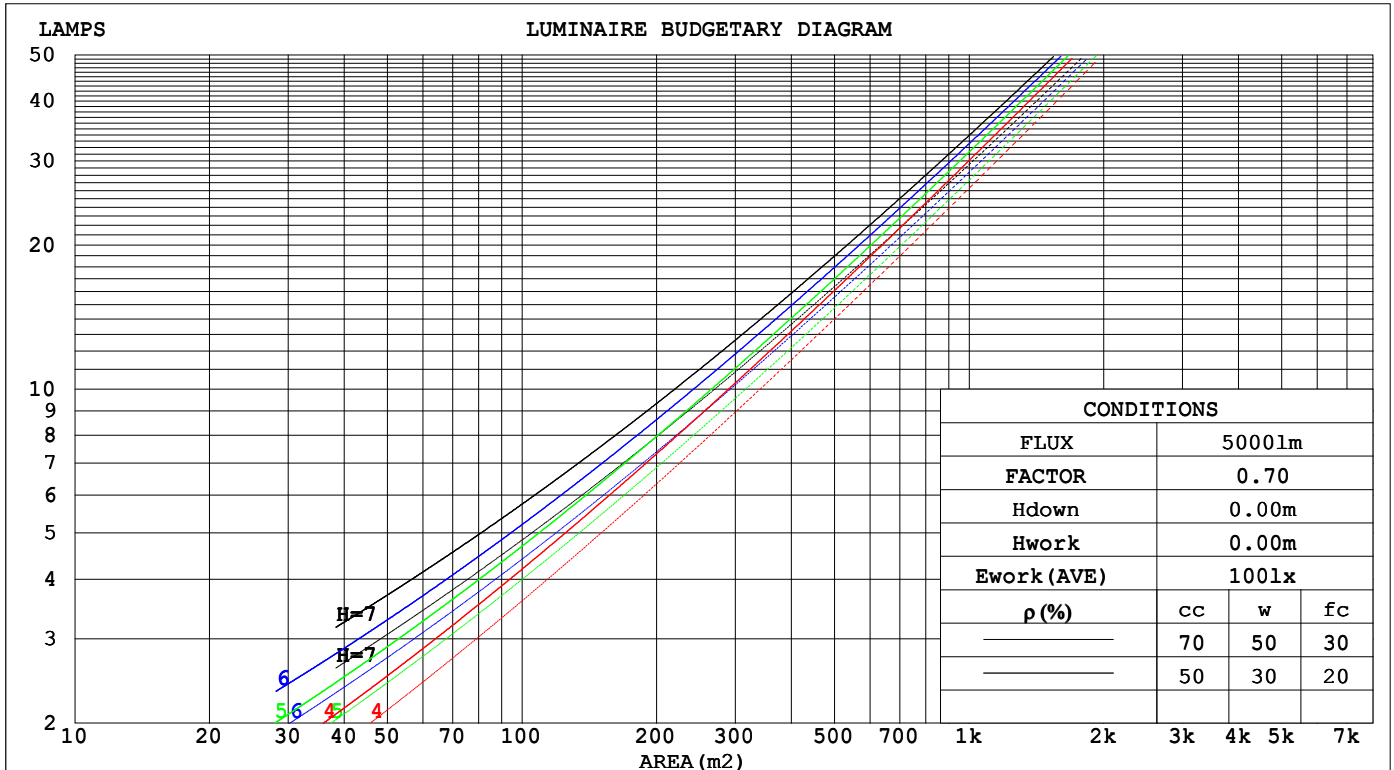
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 6500K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm					
NAME: CV-200W			TYPE: 90D		WEIGHT:
SPEC.: 6500K-RA80-520L			DIM.:		SERIAL No.:
MFR.:			SUR.: 0.133m*0.133m*3.14		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.234	.133	.042	.228	.130	.041	.215	.123	.039	.203	.117	.038	.192	.111	.036		
2.0	.228	.125	.038	.222	.122	.038	.211	.117	.036	.201	.113	.035	.191	.108	.034		
3.0	.217	.116	.035	.212	.114	.034	.202	.110	.033	.193	.106	.032	.185	.102	.032		
4.0	.205	.107	.031	.201	.105	.031	.192	.102	.030	.184	.099	.030	.177	.096	.029		
5.0	.194	.099	.029	.190	.098	.028	.182	.095	.028	.175	.093	.028	.169	.090	.027		
6.0	.183	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.025	.161	.085	.025		
7.0	.173	.086	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	.153	.080	.023		
8.0	.164	.080	.023	.161	.079	.022	.156	.078	.022	.151	.076	.022	.146	.075	.022		
9.0	.155	.075	.021	.153	.074	.021	.148	.073	.021	.143	.072	.021	.139	.071	.020		
10.0	.148	.071	.020	.145	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.019		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients (CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.140	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.132	.106	.140	.114	.091	.096	.079	.064	.055	.046	.037	.018	.015	.012	
3.0	.154	.114	.082	.132	.098	.071	.091	.068	.050	.052	.040	.029	.017	.013	.010	
4.0	.146	.100	.065	.125	.086	.056	.086	.060	.040	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.053	.119	.077	.046	.082	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.132	.080	.044	.113	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.043	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.103	.059	.027	.071	.041	.019	.042	.024	.012	.013	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.094	.051	.021	.066	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm											
NAME: CV-200W					TYPE: 90D			WEIGHT:			
SPEC.: 6500K-RA80-520L					DIM.:			SERIAL No.:			
MFR.:					SUR.: 0.133m*0.133m*3.14			Shielding Angle:			
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	25.0	26.3	25.3	26.6	26.9	25.1	26.5	25.5	26.8	27.1	
	3H	25.6	26.9	26.0	27.2	27.5	25.7	26.9	26.1	27.3	27.6
	4H	25.8	26.9	26.2	27.3	27.7	25.9	27.0	26.3	27.3	27.7
	6H	25.9	26.9	26.3	27.3	27.7	25.9	26.9	26.3	27.3	27.7
	8H	25.9	26.8	26.3	27.2	27.6	25.9	26.9	26.3	27.3	27.7
	12H	25.8	26.8	26.3	27.1	27.6	25.8	26.8	26.3	27.2	27.6
4H	2H	25.1	26.3	25.5	26.6	27.0	25.4	26.6	25.8	26.9	27.3
	3H	26.0	26.9	26.4	27.3	27.7	26.2	27.1	26.6	27.5	27.9
	4H	26.2	27.0	26.6	27.4	27.9	26.4	27.2	26.8	27.6	28.1
	6H	26.3	27.0	26.8	27.5	27.9	26.5	27.2	26.9	27.6	28.1
	8H	26.3	26.9	26.8	27.4	27.9	26.4	27.1	26.9	27.5	28.0
	12H	26.2	26.8	26.7	27.3	27.8	26.4	27.0	26.9	27.5	27.9
8H	4H	26.2	26.9	26.7	27.3	27.8	26.4	27.1	26.9	27.5	28.0
	6H	26.3	26.9	26.8	27.4	27.9	26.5	27.1	27.0	27.6	28.0
	8H	26.3	26.8	26.8	27.3	27.8	26.5	27.0	27.0	27.5	28.0
	12H	26.3	26.7	26.8	27.2	27.8	26.5	26.9	27.0	27.4	28.0
12H	4H	26.2	26.8	26.7	27.2	27.7	26.4	27.0	26.9	27.5	28.0
	6H	26.3	26.8	26.8	27.3	27.8	26.5	27.0	27.0	27.5	28.0
	8H	26.3	26.7	26.8	27.2	27.8	26.5	26.9	27.0	27.4	28.0
CIE190: 2010											

CIE190: 2010
Area: 0.0555435 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 6500K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

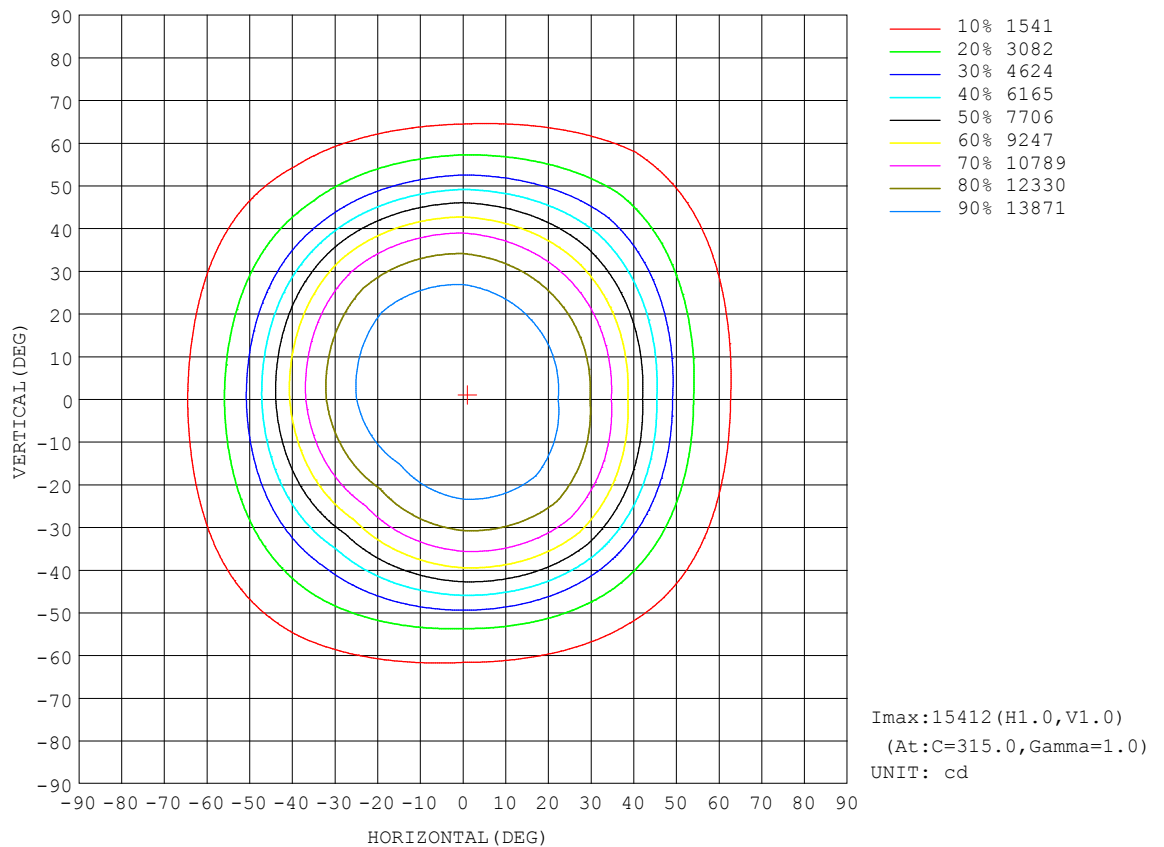
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	69	60	54	69	59	54	68	59	54	48
0.80	79	70	64	78	69	64	77	69	63	58
1.00	87	78	72	86	78	72	84	78	72	66
1.25	93	85	80	92	84	79	89	83	78	73
1.50	97	90	84	95	89	84	93	87	83	77
2.00	102	96	91	101	95	90	97	93	89	82
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	102	98	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	108	105	110	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1°C
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 6500K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

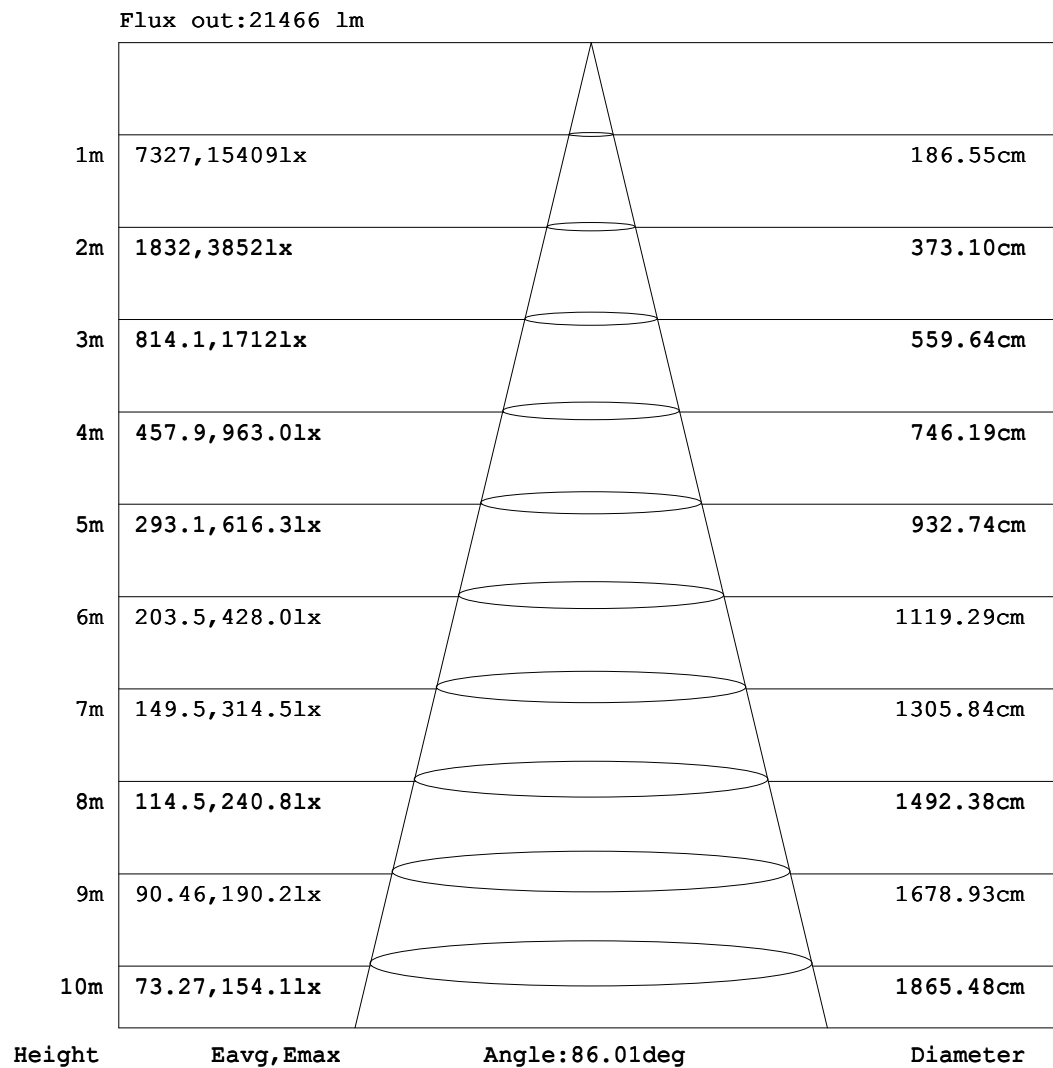


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 6500K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:



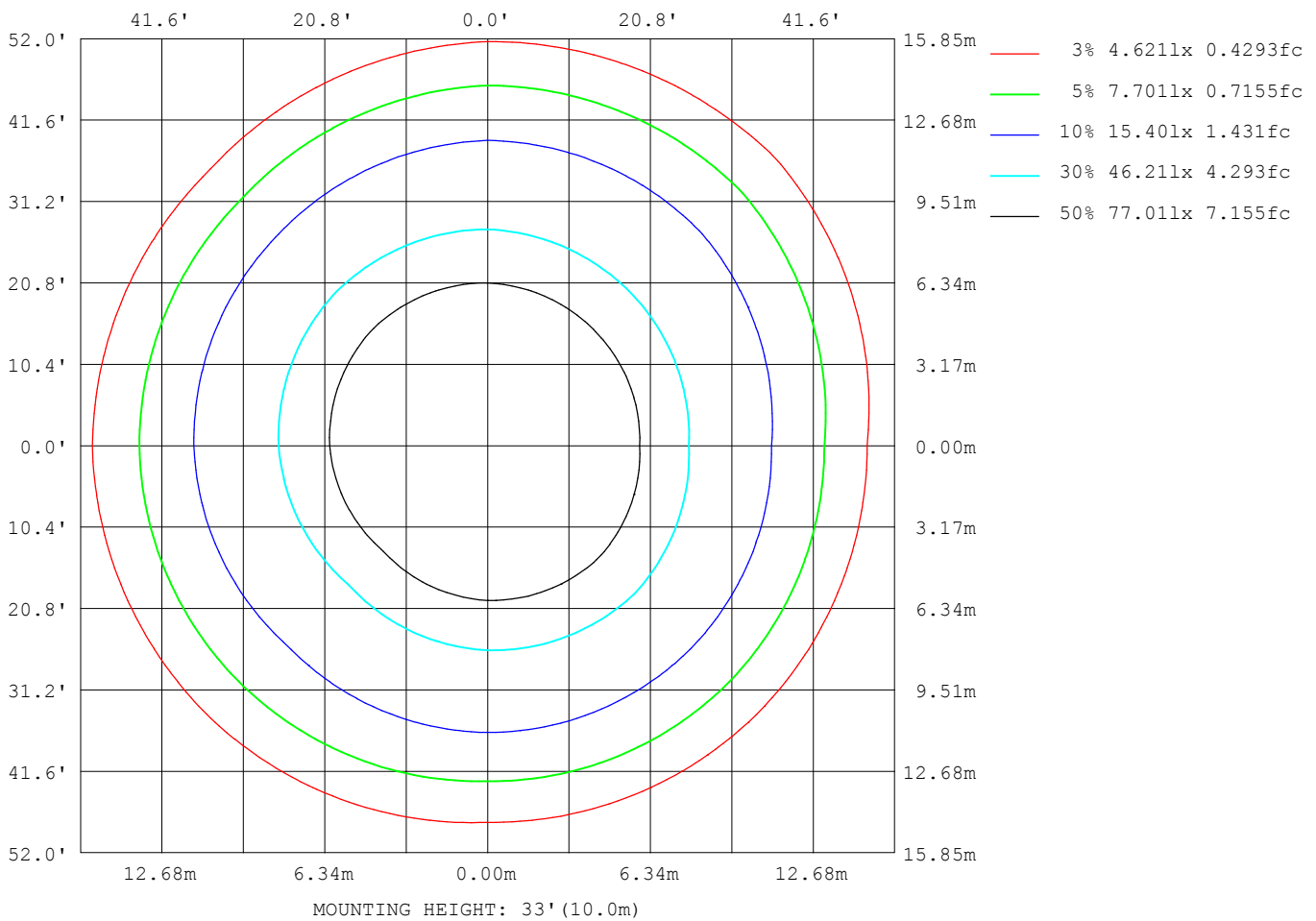
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.1℃
 Operators:
 Test Date:2026-8-25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
 Humidity:50.0%
 Test Distance:10.026m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 6500K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1°C
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.36V I:0.8881A P:201.44W PF:0.9846 Freq:50.01Hz Lamp Flux:29327.3x1 lm		
NAME: CV-200W	TYPE: 90D	WEIGHT:
SPEC.: 6500K-RA80-520L	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.133m*0.133m*3.14	Shielding Angle:

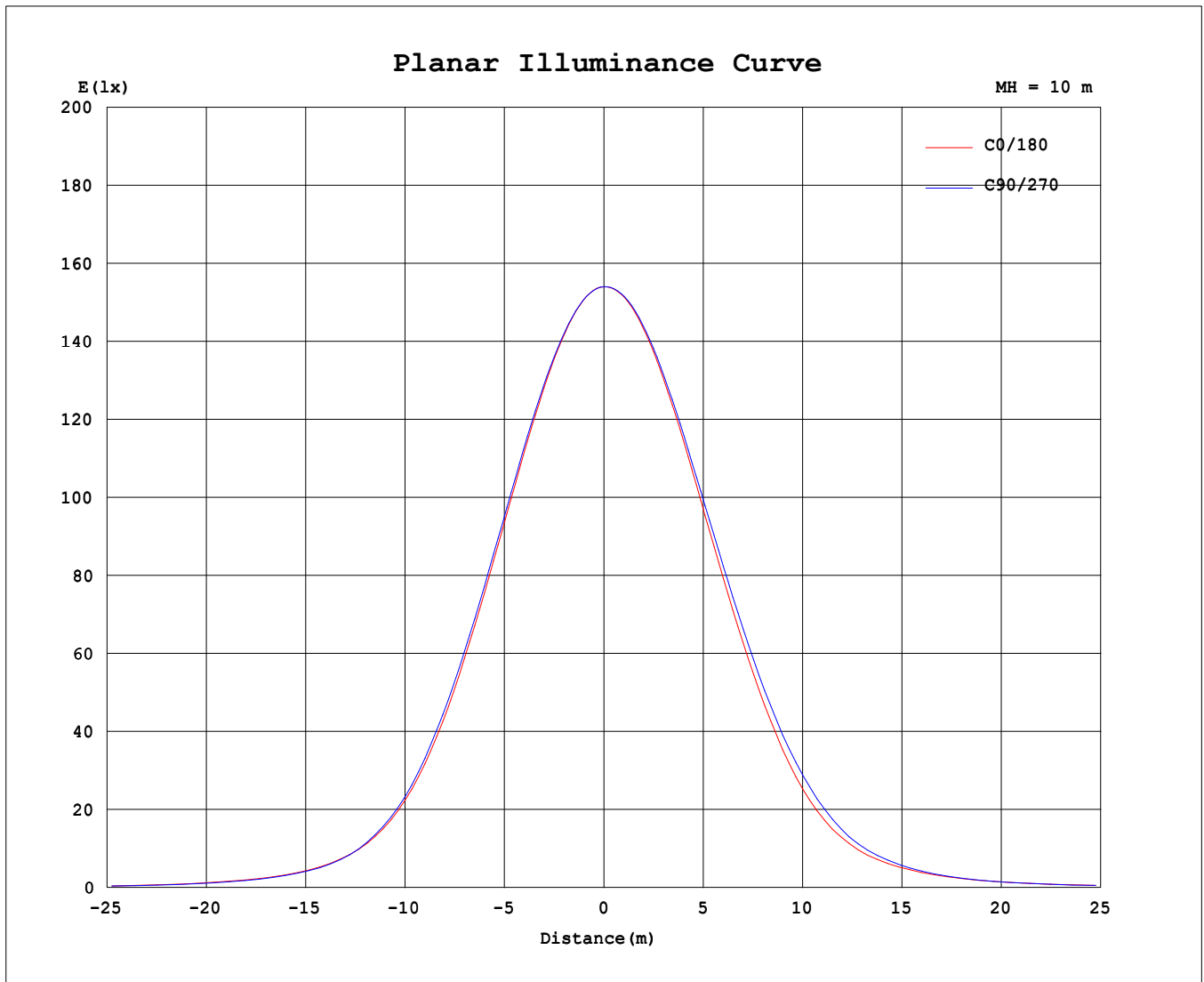
AvgL	cd/m2
L_0~180 (65) av	58330
L_0~180 (75) av	34396
L_0~180 (85) av	7144
L_90~270 (65) av	55225
L_90~270 (75) av	32484
L_90~270 (85) av	7040
L_45 (65) av	58978
L_45 (75) av	34017
L_45 (85) av	7296

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.1℃
Operators:
Test Date:2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.1°C
Operators:
Test Date: 2026-8-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity: 50.0%
Test Distance: 10.026m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.462
Humidity:50.0%
Test Distance:10.026m [K=1.0000]
Remarks:

```